

**IMAGE COMPENSATION METHODS AND APPARATUS USING
CORRECTION ZONES**

ABSTRACT

5 Image defects are compensated by determining correction values based
on an array of predetermined correction values based on display measurements. A
correction value for a selected pixel is obtained by horizontal and vertical interpolation
using the predetermined correction values. The computed correction values correspond
to gain or offset corrections that are applied to input image values by multiplication or
10 addition, respectively. Interpolation is based on predetermined correction values
associated with a zone or subzones of a zone, or on an rate of change of an interpolation
increment per row or per column.

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